INECT MULTIPLE OPTICAL FIBERS ntors: Edwin FONTECHA and Mohammad Z. KF

Application No.: 09/904,163 Docket No.: 373722001822

Sheet 1 of 10

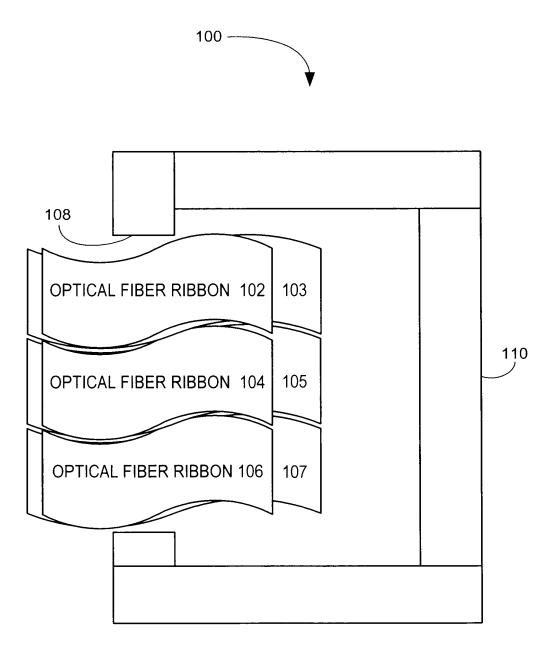


FIG. 1 (PRIOR ART)

ONNECT MULTIPLE OPTICAL FIBERS (ventors: Edwin FONTECHA and Mohammad Z.)

Application No.: 09/904,163 Docket No.: 373722001822

Sheet 2 of 10

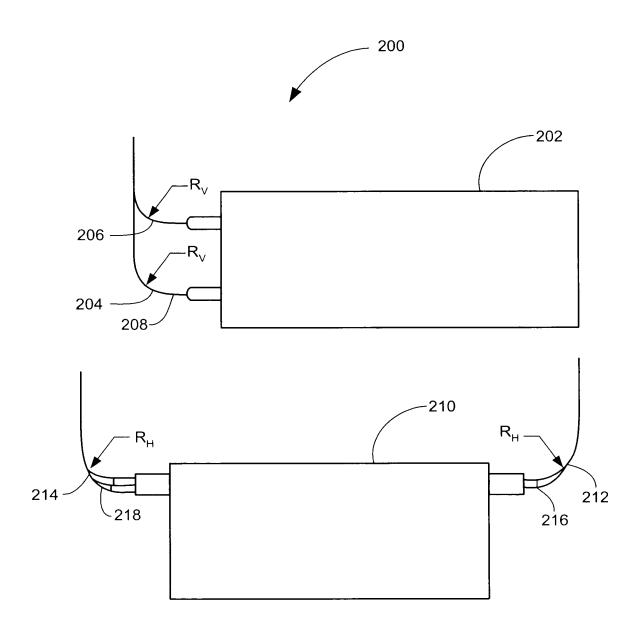


FIG. 2

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Application No.: 09/904,163 Docket No.: 373722001822

Sheet 3 of 10

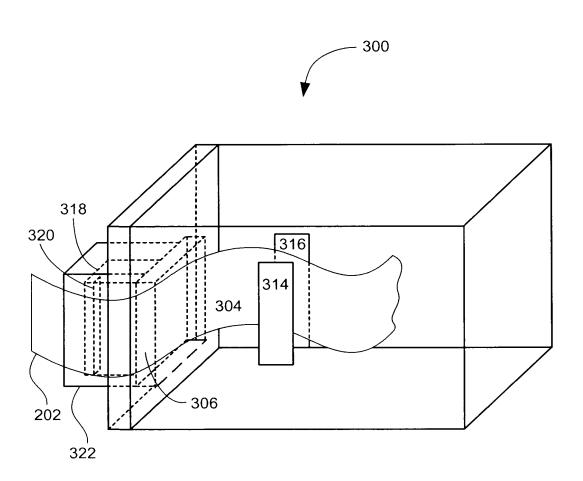


FIG. 3

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Application No.: 09/904,163 Docket No.: 373722001822

Sheet 4 of 10

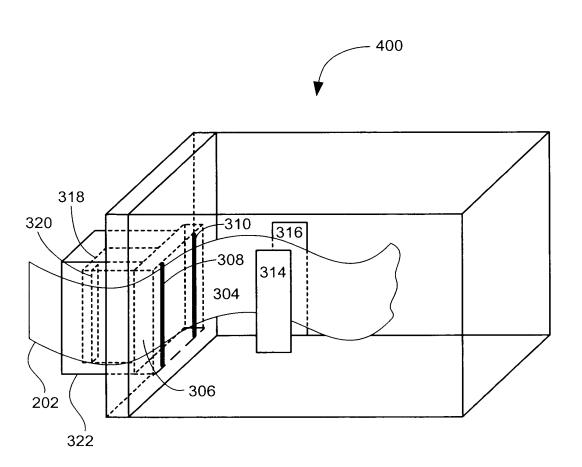


FIG. 4

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tors: Edwin FONTECHA and Mohammad Z. KH.

Application No.: 09/904,163 Docket No.: 373722001822

Sheet 5 of 10



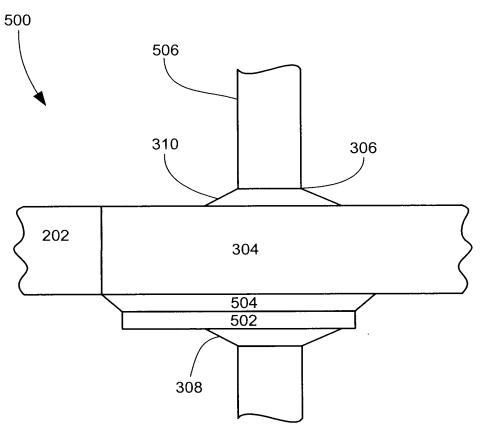


FIG. 5A

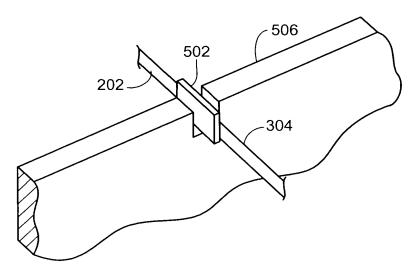


FIG. 5B

NECT MULTIPLE OPTICAL FIBERS Lors: Edwin FONTECHA and Mohammad Z. KH.

Application No.: 09/904,163 Docket No.: 373722001822

Sheet 6 of 10

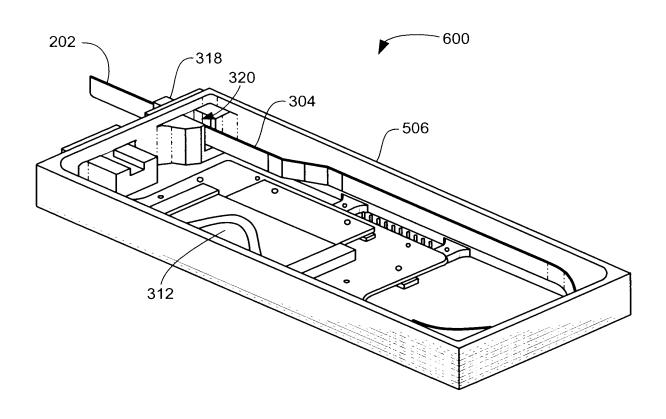


FIG. 6A

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304

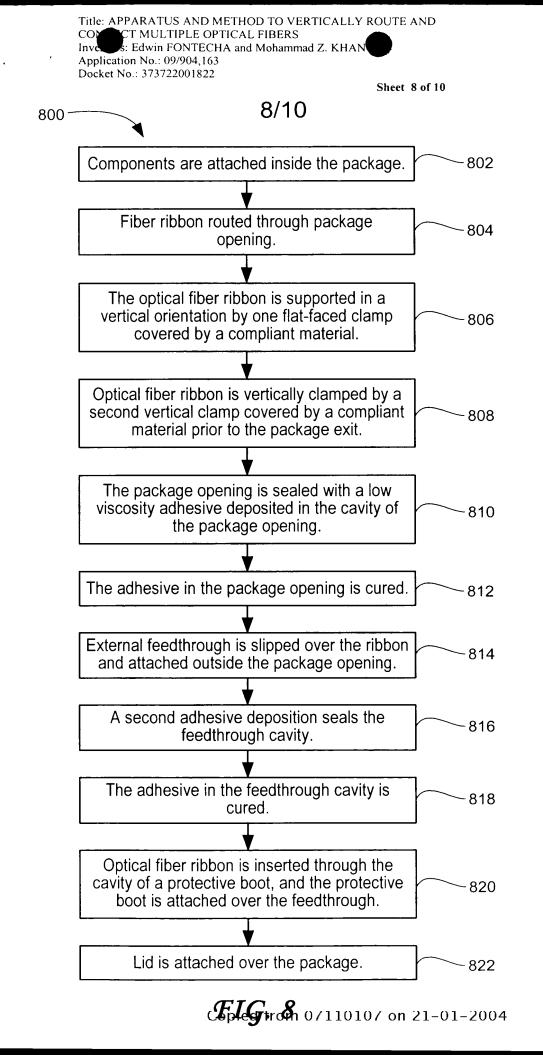
506

312

*FIG. 6B*Copied from 0/11010/ on 21-01-2004

Title: APPARATUS AND METHOD TO VERTICALLY ROUTE AND NECT MULTIPLE OPTICAL FIBERS tors: Edwin FONTECHA and Mohammad Z. KH Application No.: 09/904,163 Docket No.: 373722001822 Sheet 7 of 10 7/10 700 Components are attached inside the package. 702 Fiber ribbon routed through package 704 opening. Optical fiber ribbon is supported in a vertical orientation by a vertical clamp with a compliant 706 face. Optical fiber ribbon is clamped by a second 708 vertical clamp with a compliant face. The optical fiber ribbon is inserted through the cavity of a feedthrough and a protective boot, -710 which are attached to the external wall of the package. Lid is attached to the package. 712

FIG. 7



NECT MULTIPLE OPTICAL FIBERS tors: Edwin FONTECHA and Mohammad Z. KH Application No.: 09/904,163 Docket No.: 373722001822 Sheet 9 of 10 9/10 900 Components are attached inside the package. 902 An optical fiber ribbon is routed through a 904 package opening. An optical fiber ribbon is clamped in a vertical orientation, and the package opening is sealed 906 by adhesive. After all optical fiber ribbons are routed through the package openings, and all the 908 openings for optical fiber ribbons are sealed, a lid is aligned on top of the package. Lid is attached to the package. 910 Optical fiber ribbons and package are 912 inspected.

Title: APPARATUS AND METHOD TO VERTICALLY ROUTE AND

FIG. 9

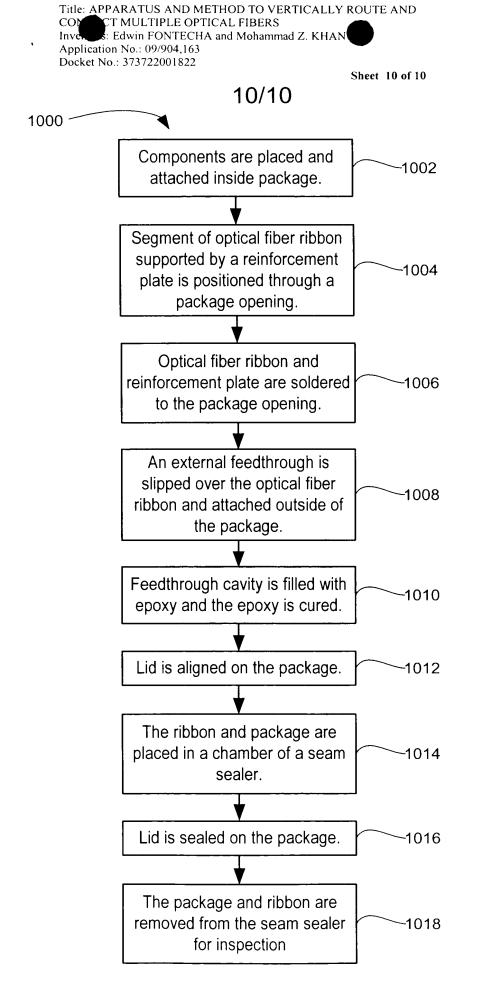


FIG 100/110107 on 21-01-2004